

**FIG. 1**

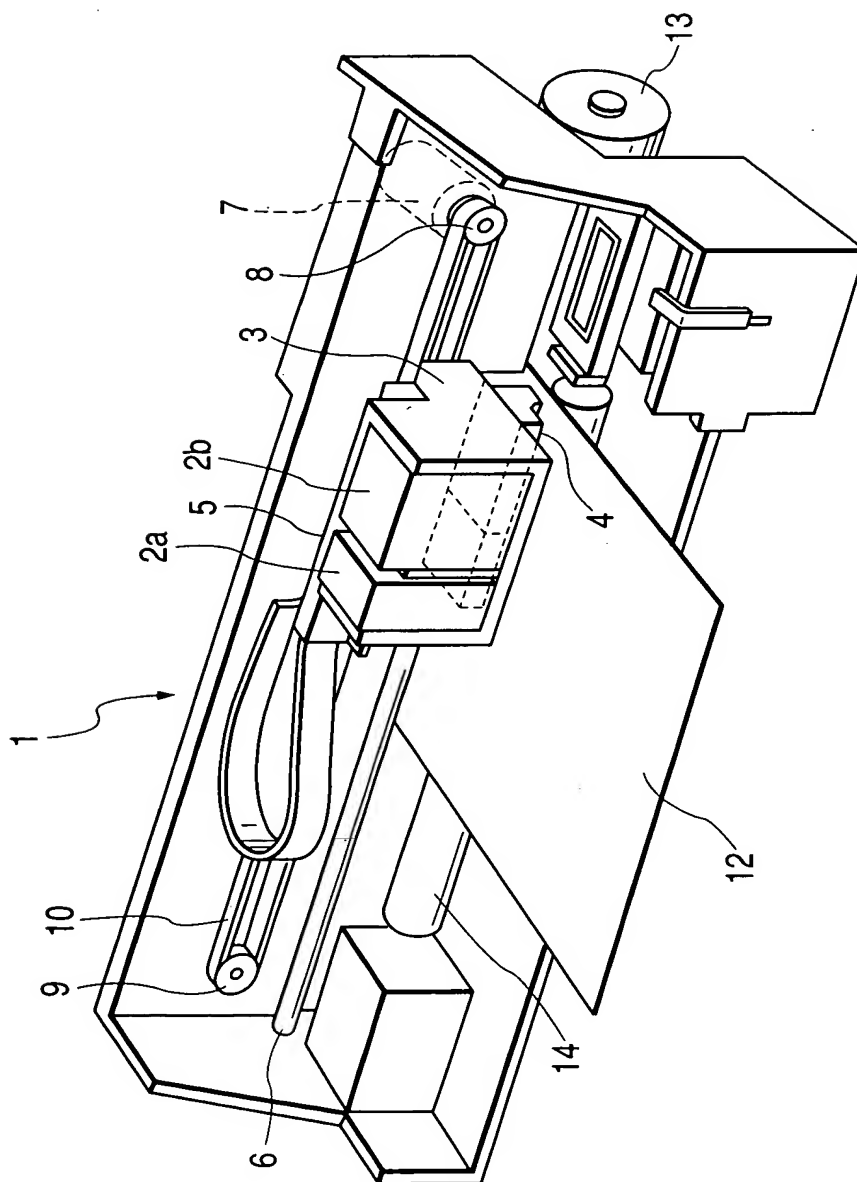


FIG. 2A

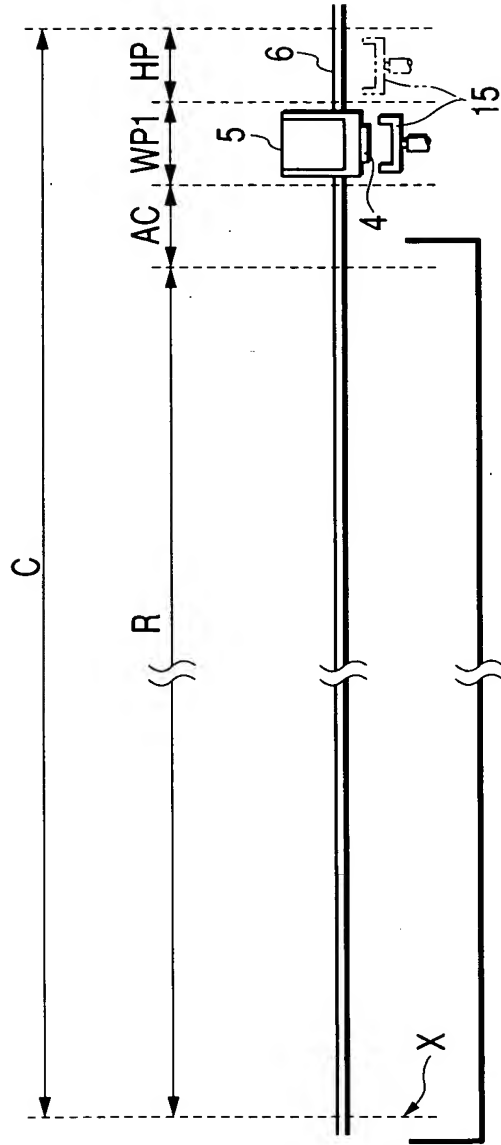
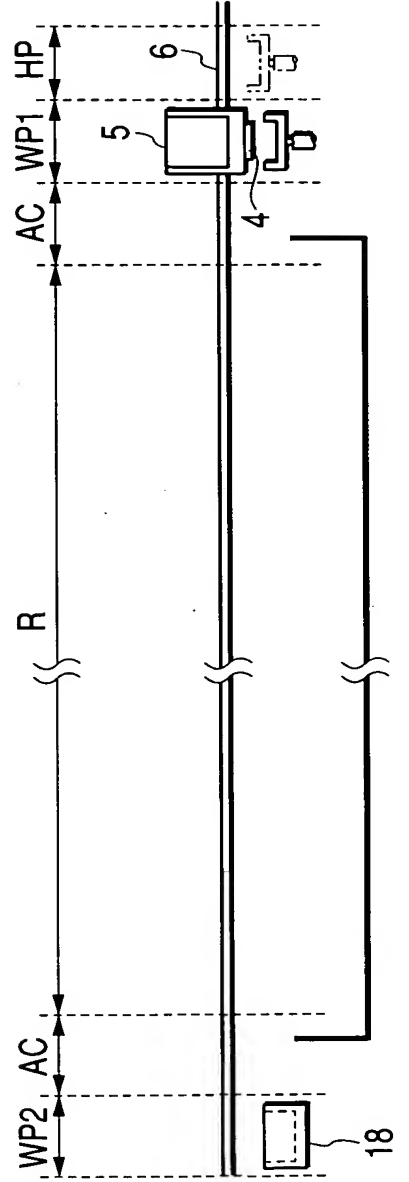
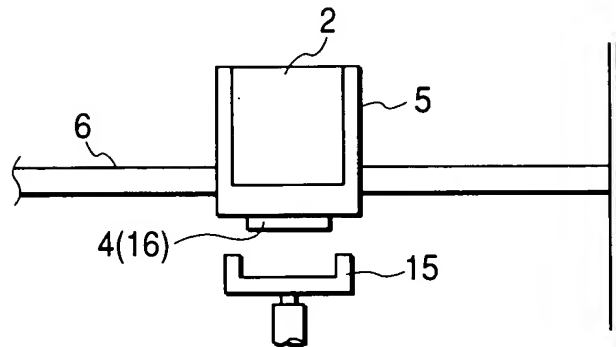


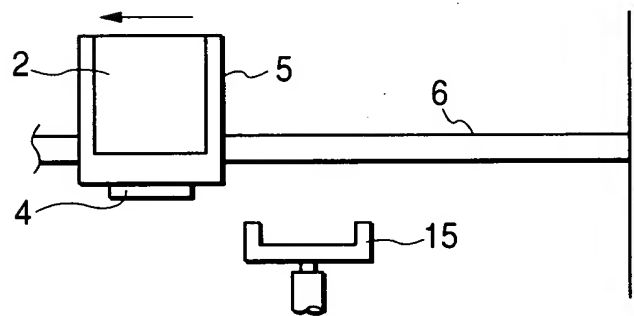
FIG. 2B



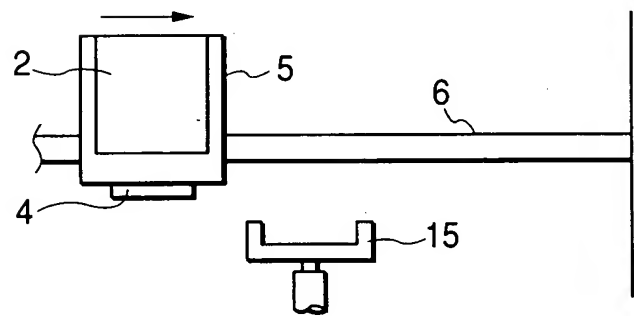
**FIG. 3A**



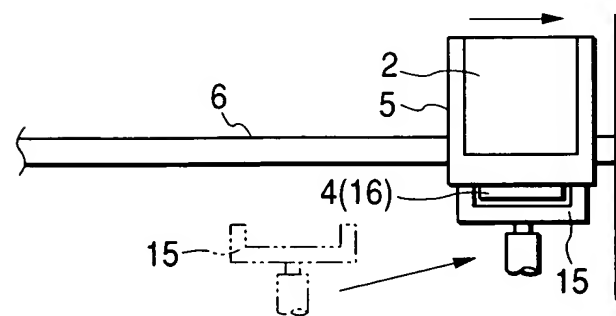
**FIG. 3B**



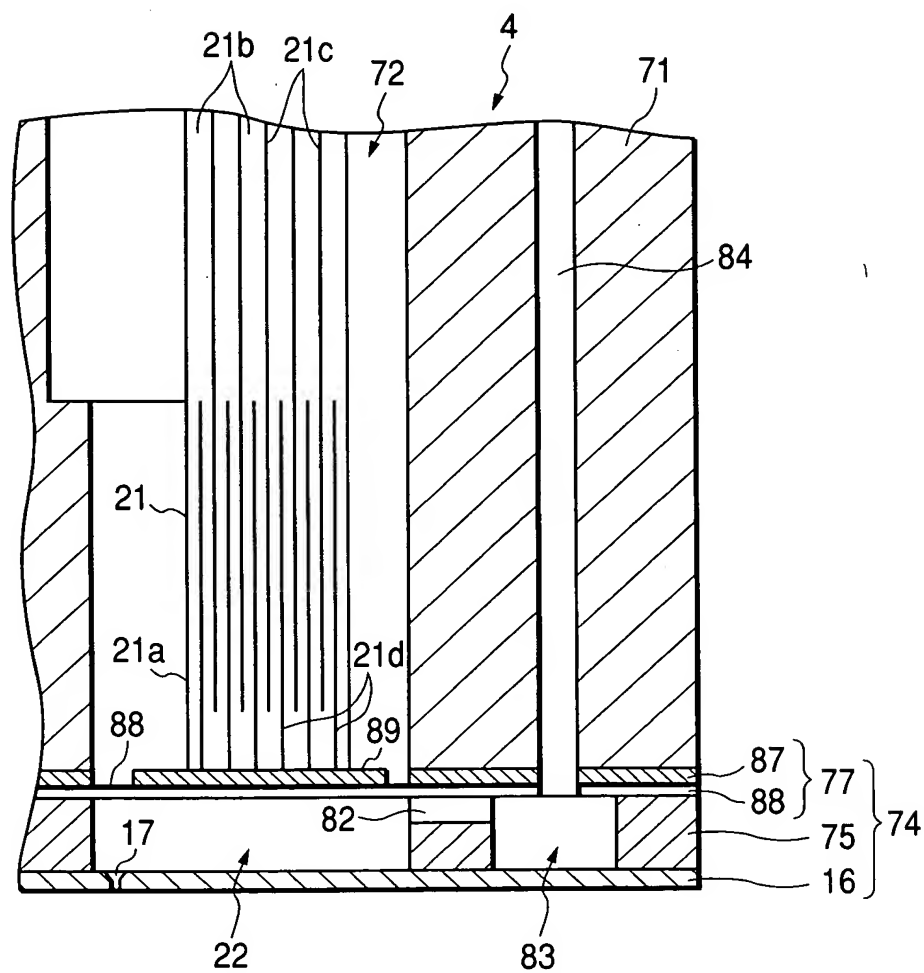
**FIG. 3C**



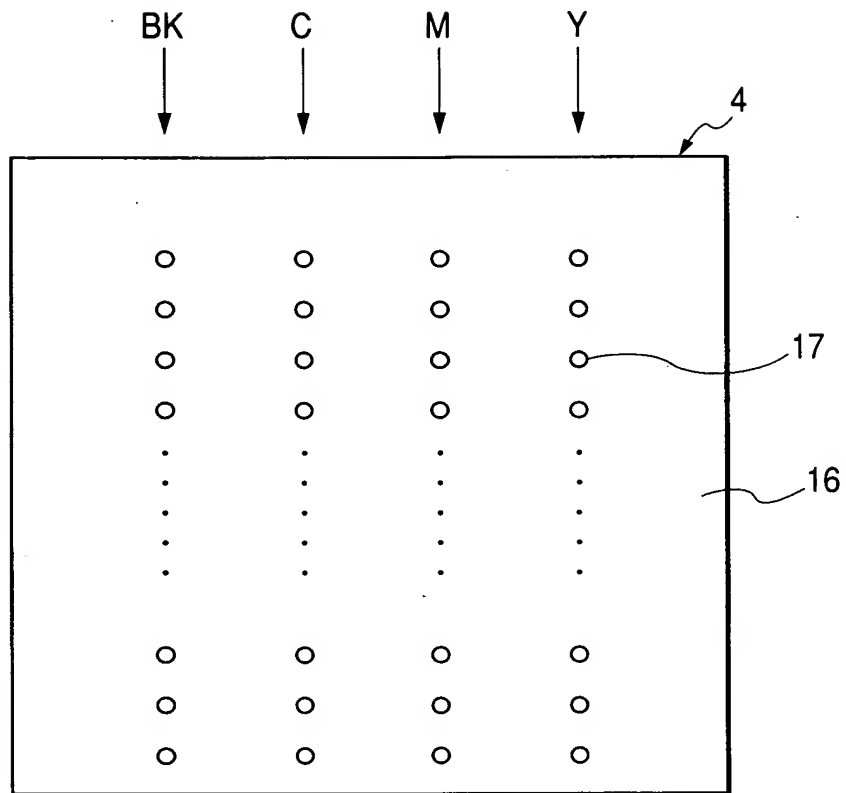
**FIG. 3D**



**FIG. 4**

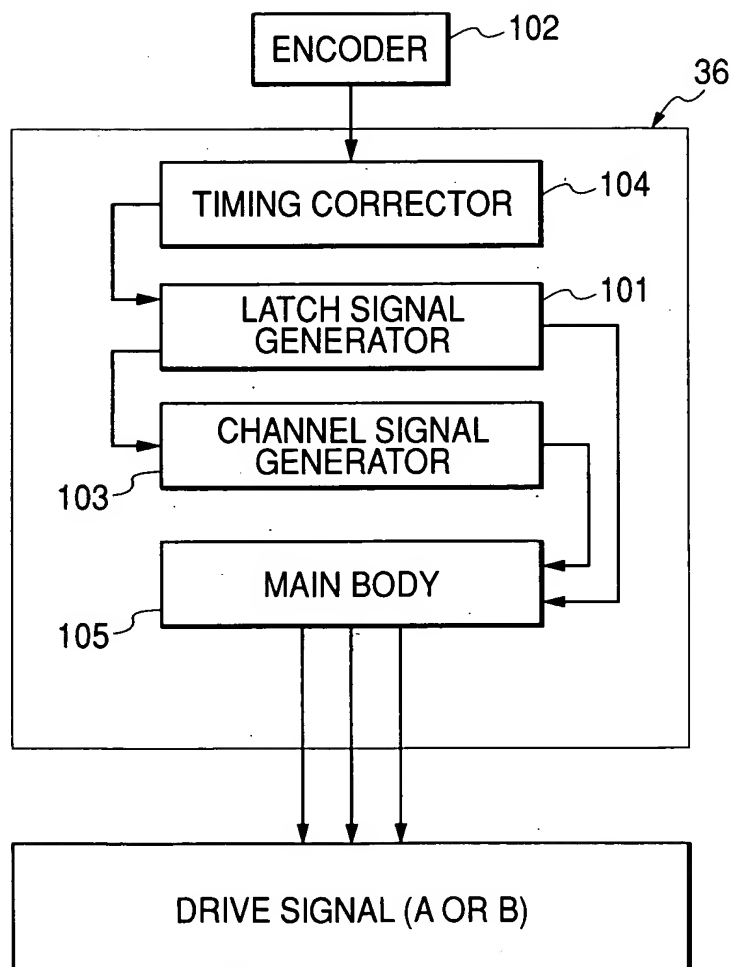


**FIG. 5**

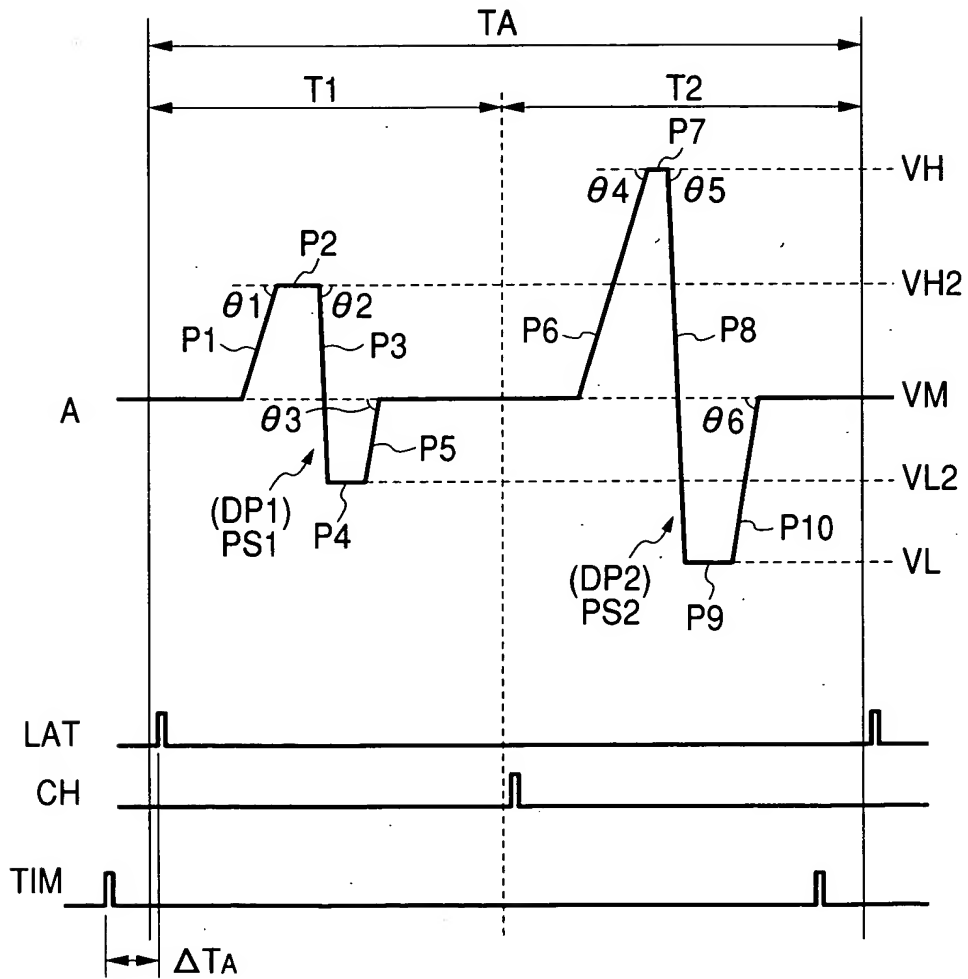




*FIG. 7*

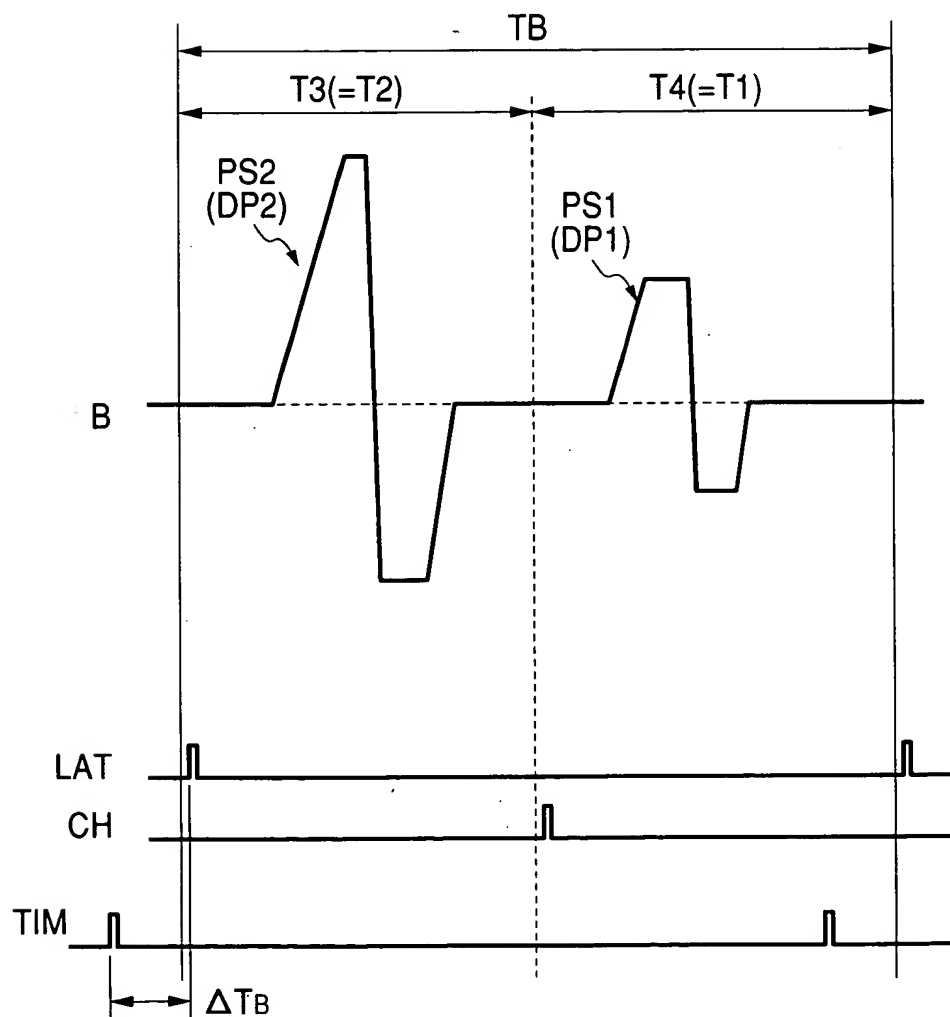


**FIG. 8**





**FIG. 9**



**FIG. 10**

INK WEIGHT RATIO	ID
$x < 90.5$	40
$90.5 \leq x < 91.5$	41
$91.5 \leq x < 92.5$	42
$92.5 \leq x < 93.5$	43
$93.5 \leq x < 94.5$	44
$94.5 \leq x < 95.5$	45
$95.5 \leq x < 96.5$	46
$96.5 \leq x < 97.5$	47
$97.5 \leq x < 98.5$	48
$98.5 \leq x < 99.5$	49
$99.5 \leq x < 100.5$	50
$100.5 \leq x < 101.5$	51
$101.5 \leq x < 102.5$	52
$102.5 \leq x < 103.5$	53
$103.5 \leq x < 104.5$	54
$104.5 \leq x < 105.5$	55
$105.5 \leq x < 106.5$	56
$106.5 \leq x < 107.5$	57
$107.5 \leq x < 108.5$	58
$108.5 \leq x < 109.5$	59
$109.5 \leq x$	60

**FIG. 11**

	ARRAY (BK)	ARRAY (C)	ARRAY (M)	ARRAY (Y)	DESIGN VALUE
INK WEIGHT (ng)	20	21	18	21	20
COLOR ADJUST ID	50	55	40	55	

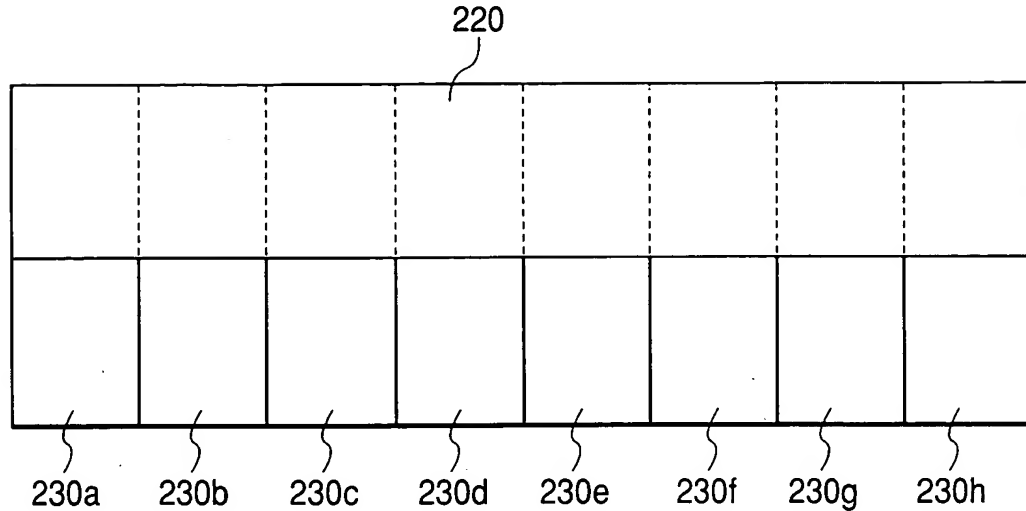
BK ARRAY ID :  $20/20 = 100\% \rightarrow \text{ID} = 50$

C ARRAY ID :  $21/20 = 105\% \rightarrow \text{ID} = 55$

M ARRAY ID :  $18/20 = 90\% \rightarrow \text{ID} = 40$

Y ARRAY ID :  $21/20 = 105\% \rightarrow \text{ID} = 55$

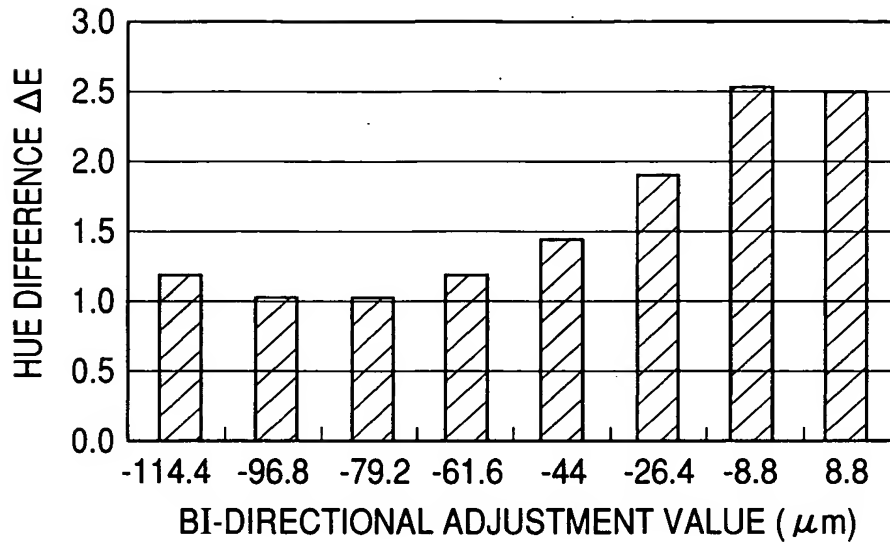
**FIG. 12**



**FIG. 13**

	COEFFICIENT FOR COLOR ADJUST VALUE (CYAN)	COEFFICIENT FOR COLOR ADJUST VALUE (MAGENTA)	COEFFICIENT FOR COLOR ADJUST VALUE (YELLOW)
CORRECTION COEFFICIENT GROUP a	1.10	0.90	1.00
CORRECTION COEFFICIENT GROUP b	1.05	0.95	1.00
CORRECTION COEFFICIENT GROUP c	1.00	0.95	1.05
CORRECTION COEFFICIENT GROUP d	1.00	0.90	1.10
CORRECTION COEFFICIENT GROUP e	0.90	1.00	1.10
CORRECTION COEFFICIENT GROUP f	0.95	1.00	1.05
CORRECTION COEFFICIENT GROUP g	1.05	1.00	0.95
CORRECTION COEFFICIENT GROUP h	1.10	1.00	0.90
CORRECTION COEFFICIENT GROUP i	1.00	1.10	0.90
CORRECTION COEFFICIENT GROUP j	1.00	1.05	0.95
CORRECTION COEFFICIENT GROUP k	0.95	1.05	1.00
CORRECTION COEFFICIENT GROUP l	0.90	1.10	1.00

**FIG. 14**



**FIG. 15**

BI-DIRECTIONAL ADJUSTMENT VALUE	L*	a*	b*	ΔE
-114.4	46.85	-1.18	-13.34	1.19
-96.8	46.68	-1.30	-13.04	1.03
-79.2	46.65	-1.28	-12.76	1.03
-61.6	46.53	-1.25	-13.18	1.19
-44	46.55	-1.07	-13.47	1.44
-26.4	46.58	-0.92	-14.10	1.92
-8.8	46.57	-0.48	-14.57	2.55
8.8	46.80	-0.56	-14.61	2.48
REFERENCE VALUE	47.16	-2.17	-12.76	

FIG. 16

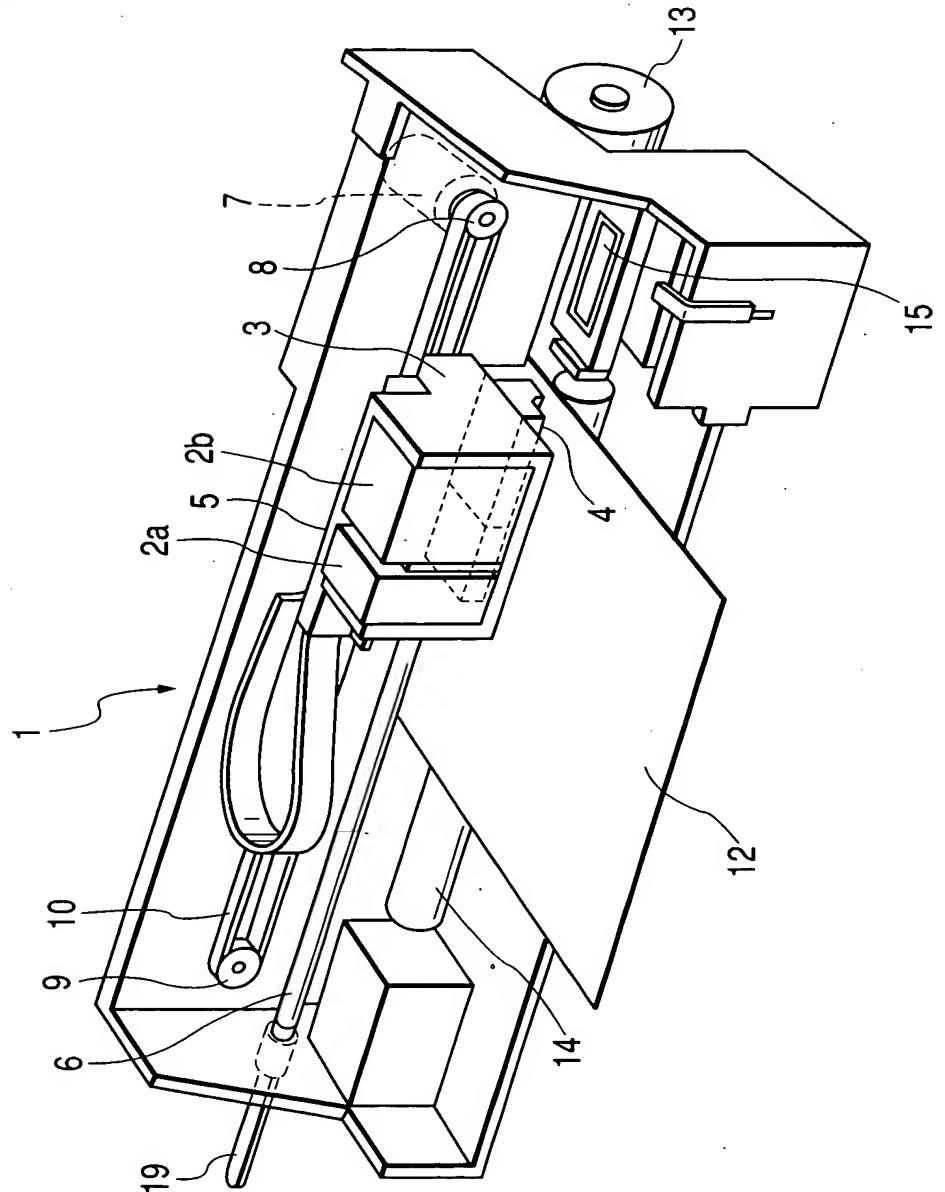
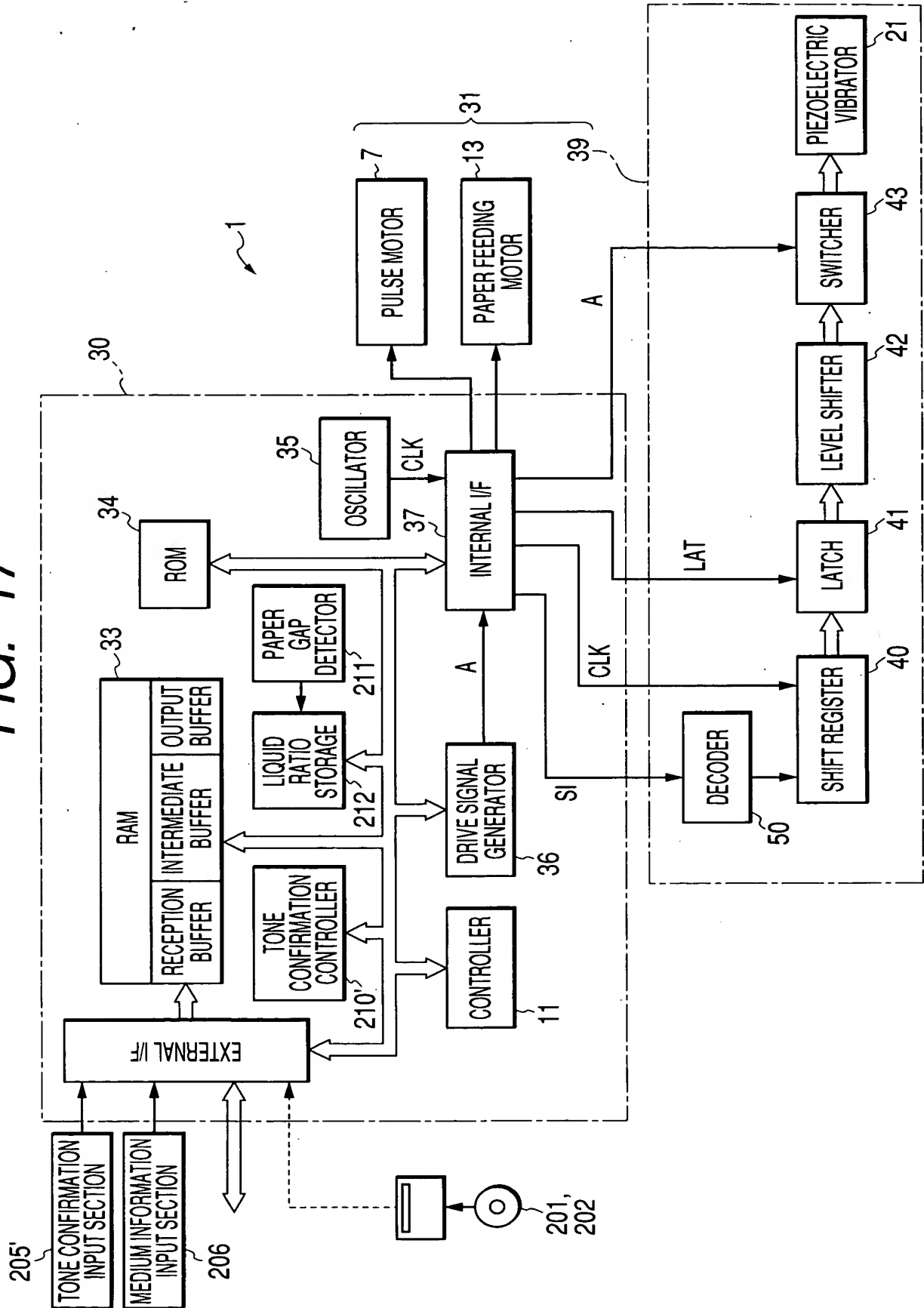
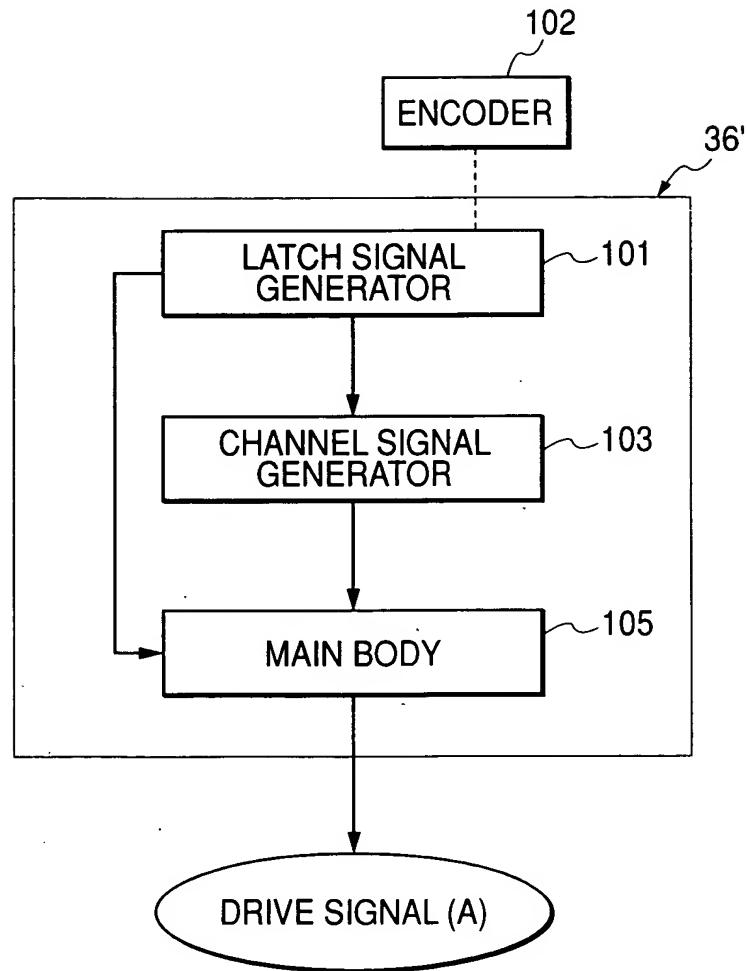


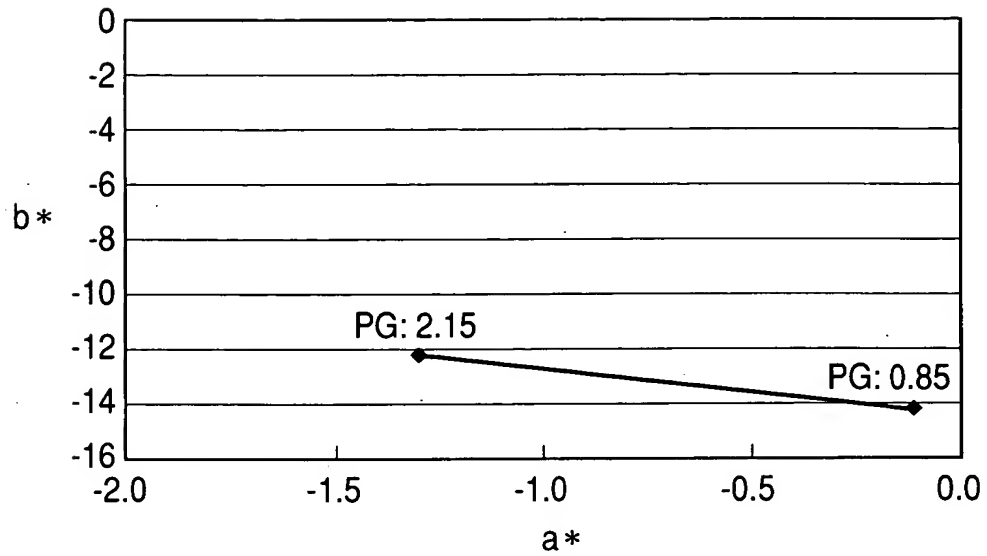
FIG. 17



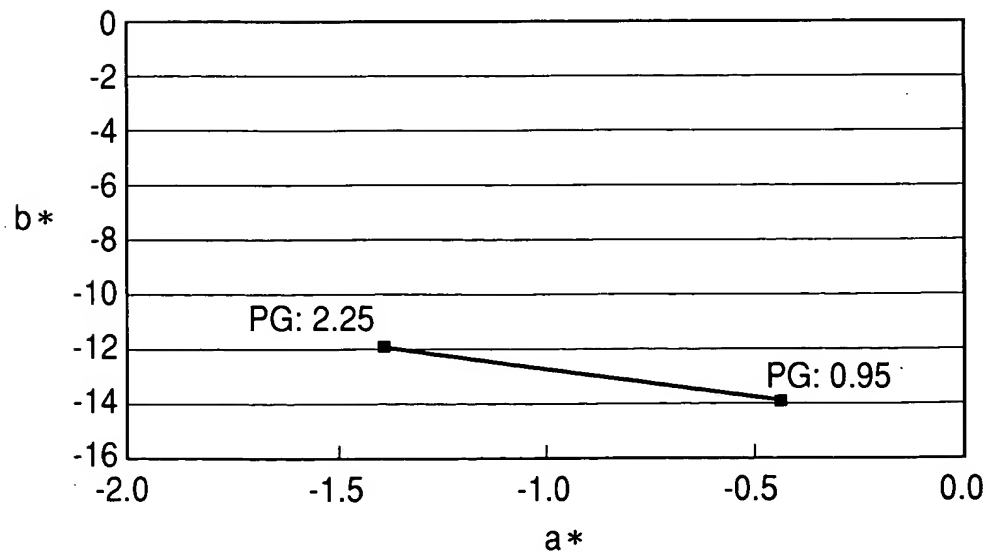
**FIG. 18**



**FIG. 19**

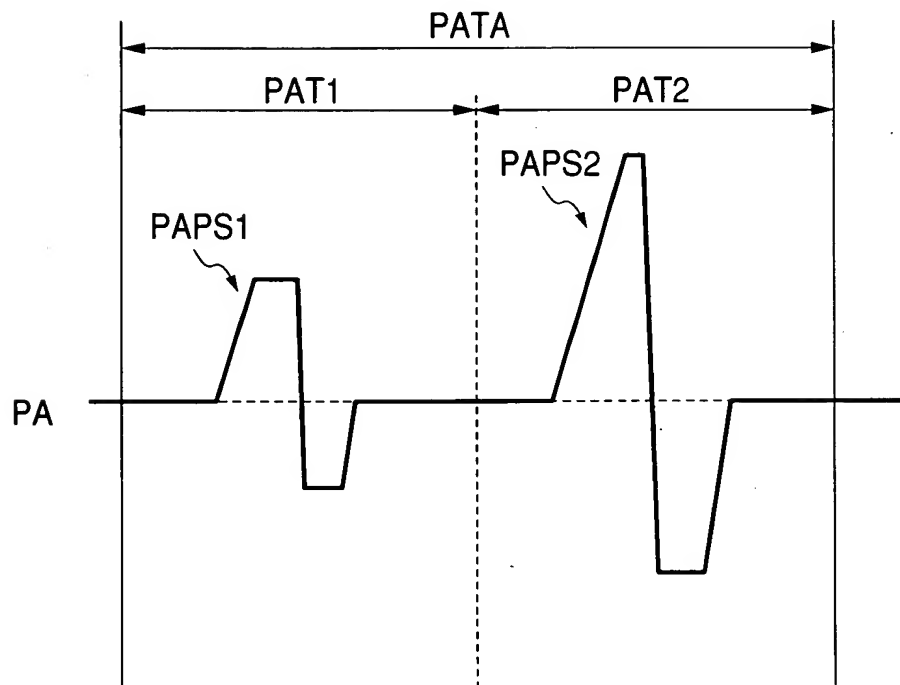


**FIG. 20**

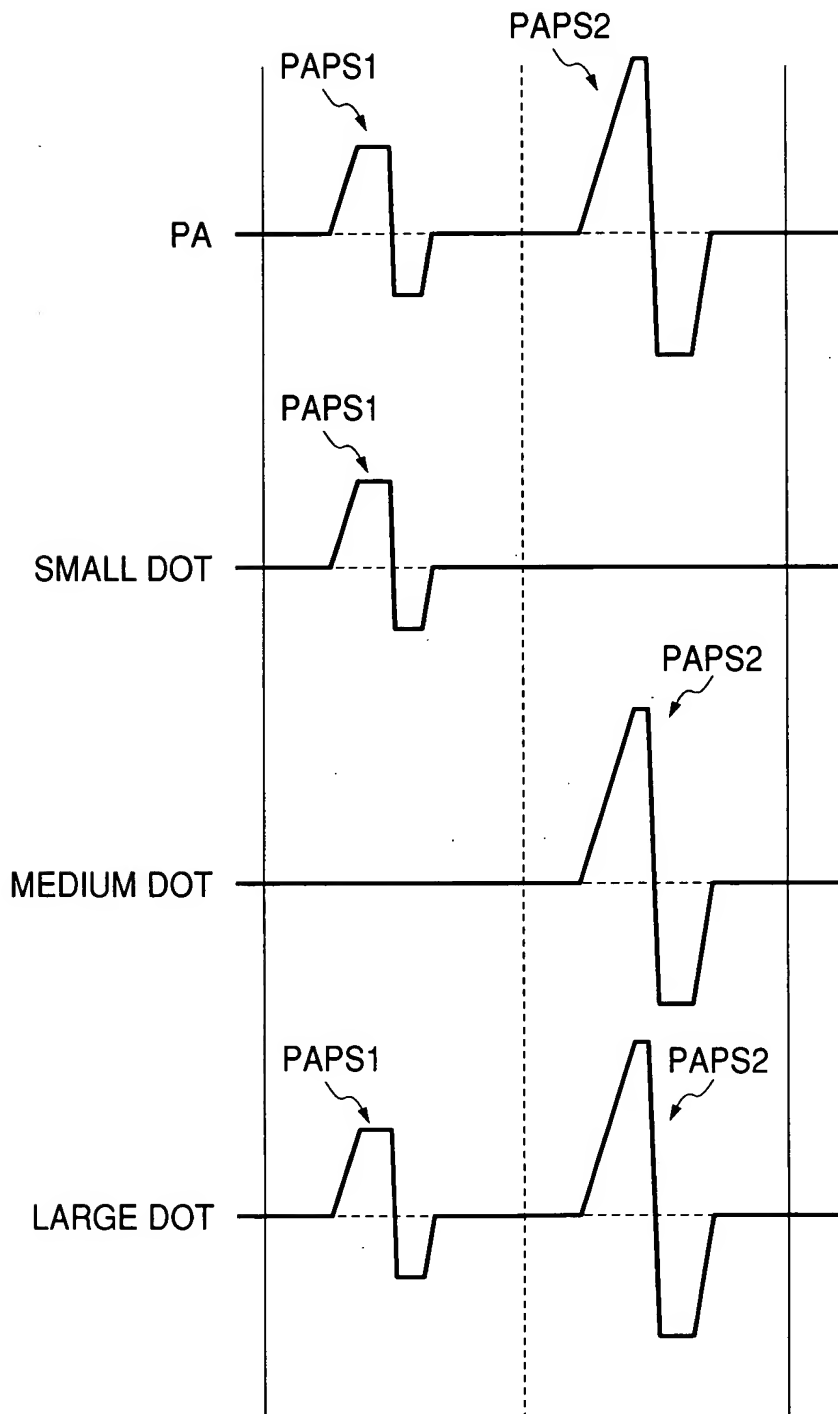




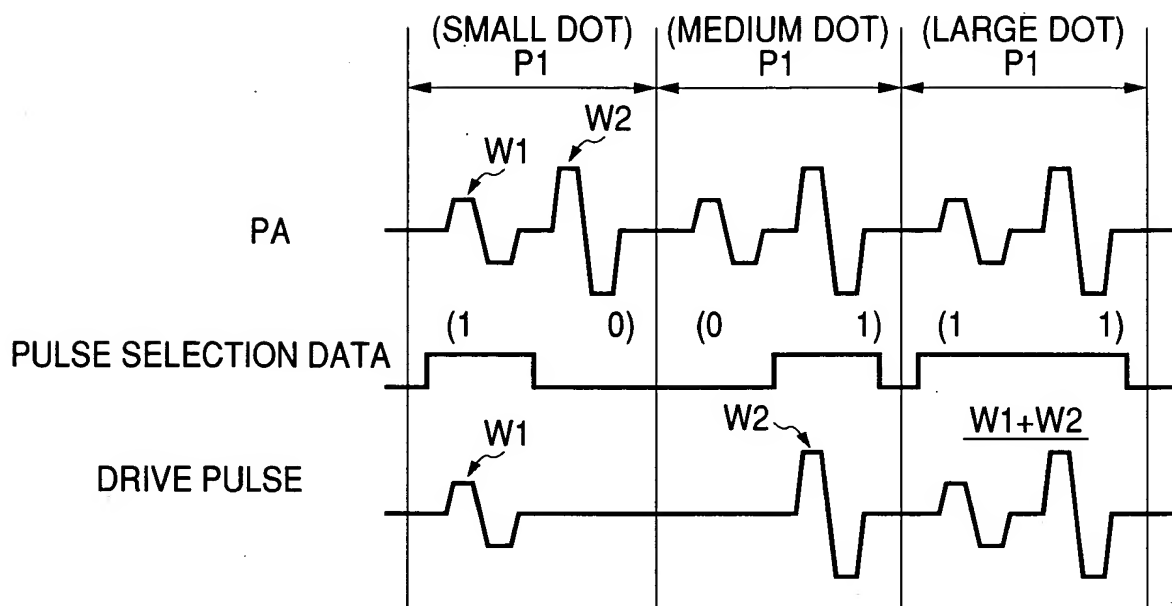
**FIG. 21**



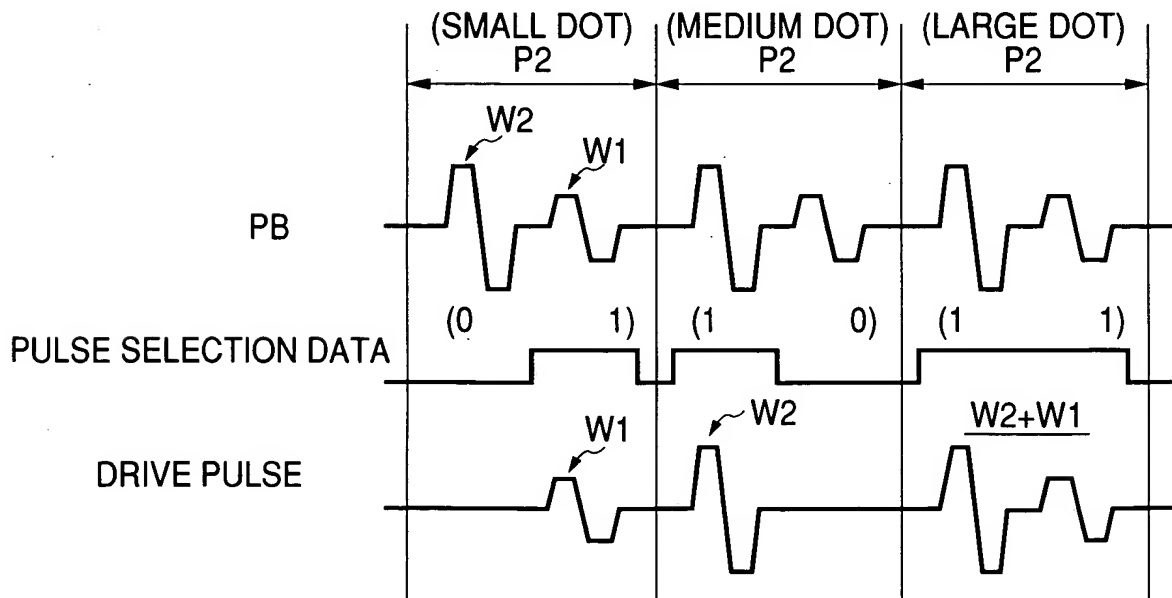
**FIG. 22**



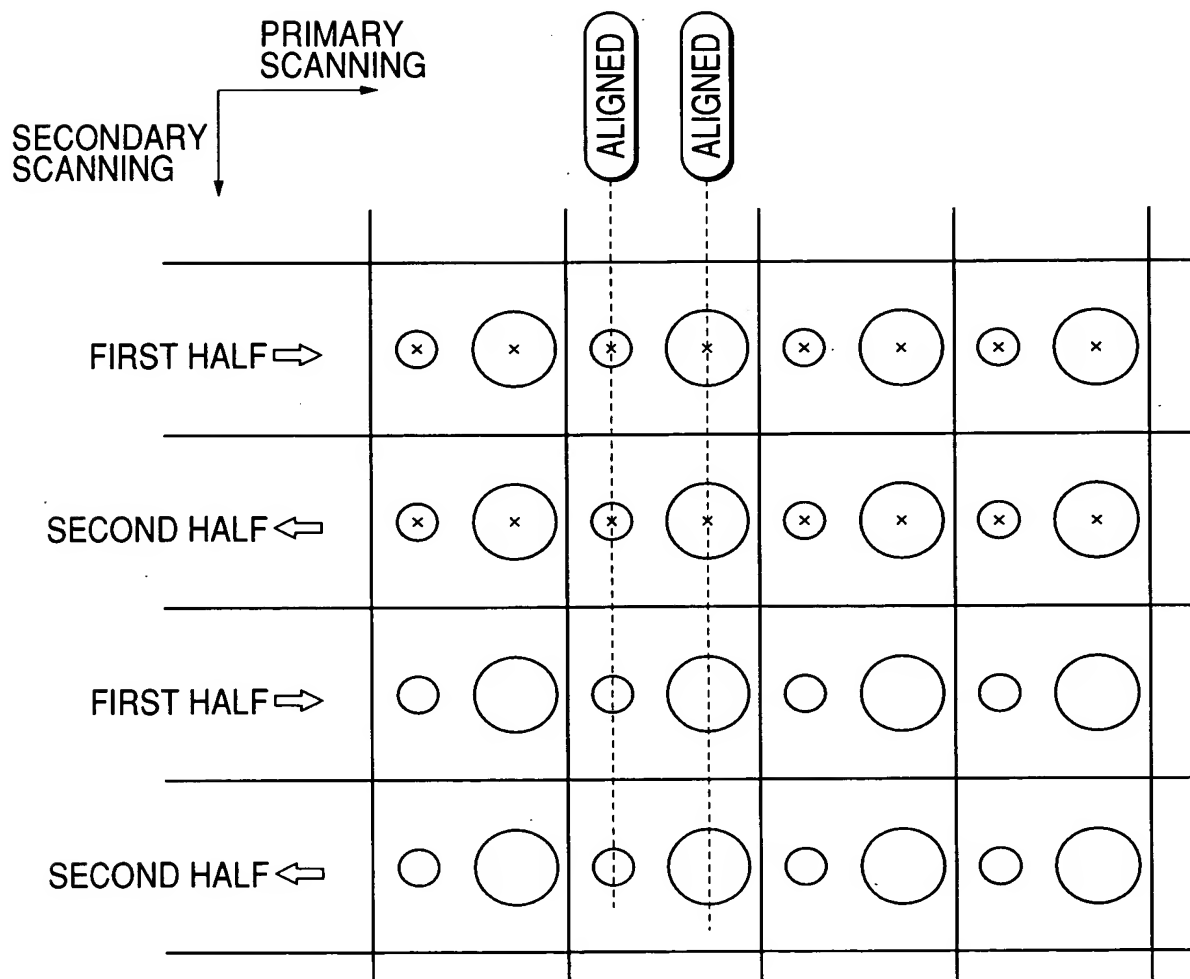
**FIG. 23A**



**FIG. 23B**



**FIG. 24**



*FIG. 25*

